

Docket No.: 215384-106380  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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In re Patent Application of:  
Chang-Jun Ahn

Application No.: National Phase of  
PCT/JP2004/000171

Confirmation No.: N/A

Filed: Concurrently Herewith

Art Unit: N/A

For: Communication System, Transmitter, Receiver,  
Transmitting Method, Receiving Method, and  
Program

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Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

MS: PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith.

Applicant has not submitted copies of each cited U.S. patent and U.S. patent application as required by 37 CFR 1.98(a)(2)(i), amended October 2004, as the U.S. Patent and Trademark Office has waived this requirement for all U.S. patent applications. Applicant submits herewith copies of foreign and non-patents in accordance with 37 CFR 1.98(a)(2).

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**AP20 Rec'd PCT/PTO 13 JUL 2006**

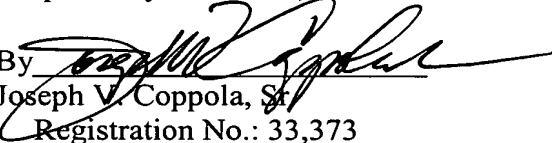
In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 50-3145, under Order No. 215384-106380.

Dated: July 12, 2006

Respectfully submitted,

By   
Joseph V. Coppola, Sr.  
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Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	Not Yet Assigned
				Filing Date	Concurrently Herewith
				First Named Inventor	Chang-Jun Ahn
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	215384-106380

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)					

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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	Antenna-Phase Controlled SDM/OFDM With Polarization Diversity for Dynamic Parameter Controlled OFDM System (The Institute of Electronics, Information and Communication Engineers), Technical Report of IEICE, DSP2003-188, SAT2003-185, RCS2003-283(2004-01)	
	CB	Space Division Multiplexing (SDM) for OFDM Systems, 2000 IEEE, 51st Vehicular Technology Conference Proceedings, May 15-18, 2000 Tokyo, Japan	
	CC	A Combined OFDM/SDMA Approach, IEEE Journal on Selected Areas in Communications, Wireless Communications Series, November 2000, Vol. 18, No. 11, November 2000	
	CD	Experimental Results of Cross Polarization Discrimination and Signal Correlation Values for a Polarization Diversity Scheme, 1997 IEEE 47th Vehicular Technology Conference, Phoenix, AZ, May 4-7, 1997	
	CE	OFDM/SDM System Using Adaptive Transmit Phase Control to Mitigate Co-Channel Interference, 2002 IEEE 56th Vehicular Technology Conference Proceedings, Vol. 4 of 4, Vancouver, Canada September 24-28, 2002	

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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10/585898

AP20 Rec'd PCT/PTO 13 JUL 2006

Application No. (if known): Not Yet Assigned

Attorney Docket No.: 215384-106380

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IDS (Citation) by Applicant (5 References) (1 page)  
Information Disclosure Statement (2 pages)